

## Claims

I claim:

- 1 1. A method for propagating sound information, comprising:
  - 2 acquiring sound information in an open environment;
  - 3 analyzing the sound information to detect selected sound information; and
  - 4 propagating the selected sound information to an acoustically isolated
  - 5 environment.
- 1 2. The method of claim 1, further comprising:
  - 2 storing the selected sound information in a memory.
- 1 3. The method of claim 1, in which the selected sound information is
  - 2 predetermined.
- 1 4. The method of claim 1, in which the propagating generates an audio signal
  - 2 corresponding the selected sound signal.
- 1 5. The method of claim 1, in which the propagating generates a visual signal
  - 2 corresponding the selected sound signal.
- 1 6. The method of claim 1, in which the selected sound information is propagated
  - 2 to a user in a soundproof environment.
- 1 7. The method of claim 1, in which the soundproof environment is a room.

- 1 8. The method of claim 1, in which the soundproof environment is a car.
- 1 9. The method of claim 1, in which the acoustically isolated environment is  
2 provided by headphones.
- 1 10. The method of claim 1, in which the selected sound information is selected  
2 from a group consisting of car honks, sirens, car malfunctions, cries, and bells.
- 1 11. The method of claim 1, in which the selected sound information is speech of a  
2 person having a predetermined identity.
- 1 12. The method of claim 1, further comprising:  
2 indicating a direction of the selected sound information.
- 1 13. The method of claim 12, in which the direction is indicated visually.
- 1 14. The method of claim 12, in which the direction is indicated acoustically by a  
2 stereo signal.

1 15. A system for propagating sound information, comprising:  
2 a microphone configured to acquiring sound information in an open  
3 environment;  
4 means, connected to the microphone, for analyzing the sound information to  
5 detect selected sound information; and  
6 means, connected to the means for analyzing, for propagating the selected  
7 sound information to an acoustically isolated environment.

1 16. The system of claim 15, further comprising:  
2 a memory configured to store the selected sound information.

1 17. The system of claim 15, in which the means for propagating is a loudspeaker.

1 18. The system of claim 15, in which the means for propagating is a display  
2 device.

1 19. The system of claim 15, in which the means for propagating includes a  
2 loudspeaker and a display device.

1 20. The system of claim 15, further comprising:  
2 means for indicating a direction of the selected sound information.